



Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	I _e	8.8	12	---	mW/sr	I _F =20mA (Note 1,3)
		21	30	---	mW/sr	I _F =50mA (Note 1,3)
Viewing Angle(X)	2 _{1/2}	---	105	---	Deg.	(Note 2)
Viewing Angle(Y)		---	50	---		
Peak Wavelength	p	---	940	---	nm	I _F =50mA
Spectral Line Half- Width		---	50	---	nm	I _F =50mA
Forward Voltage	V _F	---	1.35	1.60	V	I _F =50mA
Reverse Current	I _R	---	---	10	μA	V _R =5V

Note:

- Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
- 2_{1/2} is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
- The I_e guarantee should be added ±15% tolerance.

Radiant Intensity Bin Code (IF=50mA)

BIN CODE	Min. (mW/sr)	Max. (mW/sr)
31	21	26
32	26	31
33	31	37
34	37	44
35	44	53

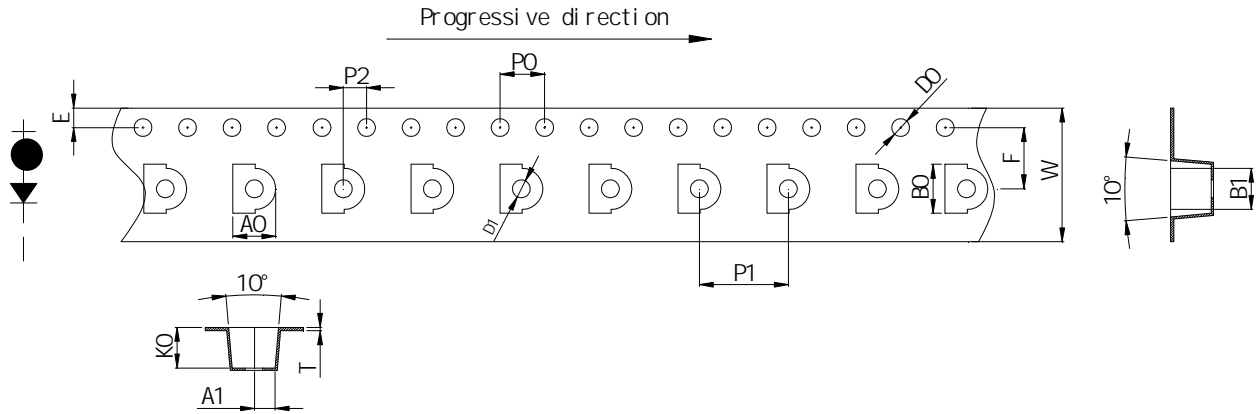
NOTE: The I_e guarantee should be added ±15% tolerance.

Label Explanation

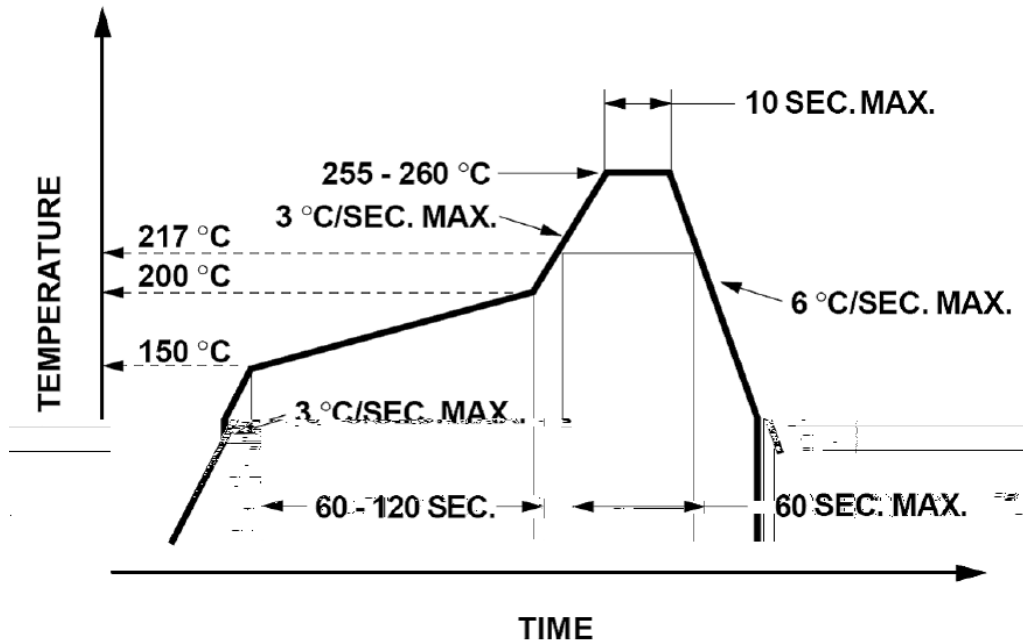


Carrier Tape Specifications (Loaded Quantity: 2300pcs/reel)

ITEM	W	A0	A1	B0	B1	K0	E	F	D0	D1	P0	P1	P2	T
DIM	12.00	3.85	1.85	4.40	3.70	3.65	1.75	5.50	1.50	1.60	4.00	8.00	2.00	0.30
TOL	+0.30 -0.30	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.05 -0.05



Suggest IR Reflow Condition For Lead Free



1. Reflow soldering should not be done more than two times.
2. When soldering, do not put stress on the LEDs during heating.

Soldering iron

1. When hand soldering, the temperature of the iron must less than 300°C for 3 seconds.
2. The hand solder should be done only once.

Repairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.

